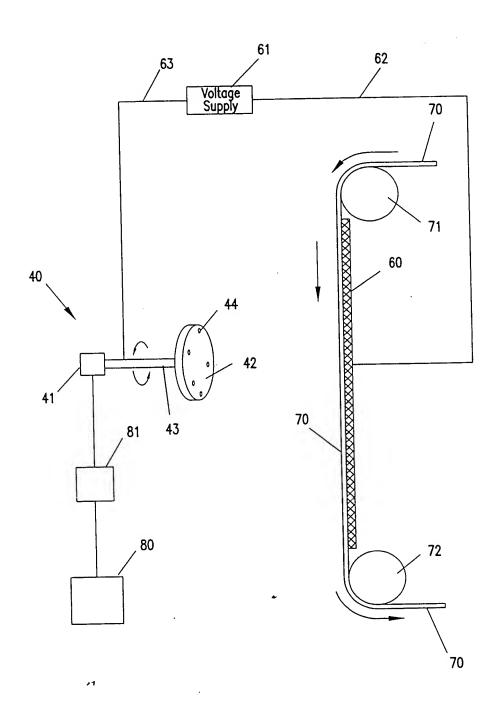
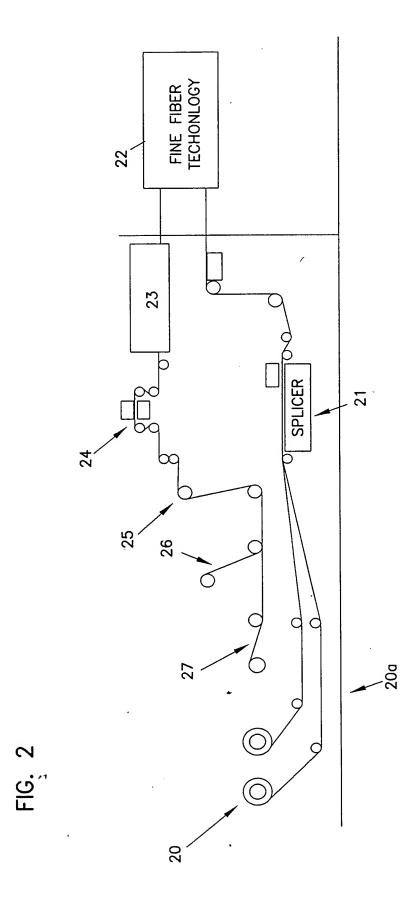
Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 1 of 18

FIG. 1



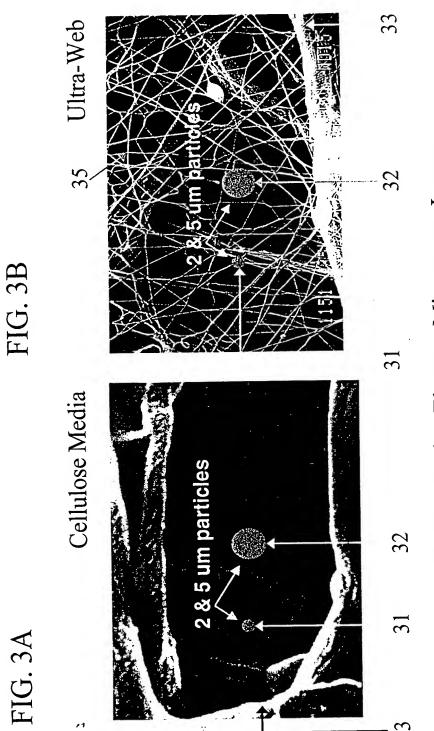
Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 2 of 18



Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND APPLICATIONS INCLUDING FILTER STRUCTURES

Attorney Name: MARK DIPIETRO

Phone No.: 612.332.5300 Sheet 3 of 18



2,000 X Scanning Electron Microscope Images

SUMMARY

GOODNESS CURVE FIT

POSITION

631.04

N(E)

ESCA 01s SPECTRA FOR SAMPLE 6A AS SPAN

Sheet 4 of 18 520 522.5 525 527.5 530 BINDING ENERGY (eV) 532.5)=0 535 FWHM %GAUSS AREA AREA% 1.46 96.49% 10320 67.4% 1.65 100.00% 4982 32.6% 537.5

540

542.5

545

Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND

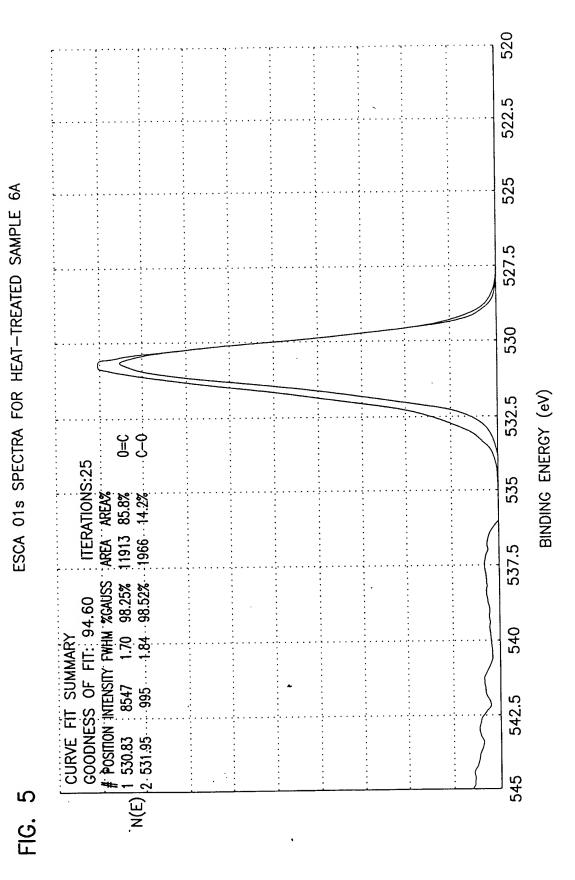
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO

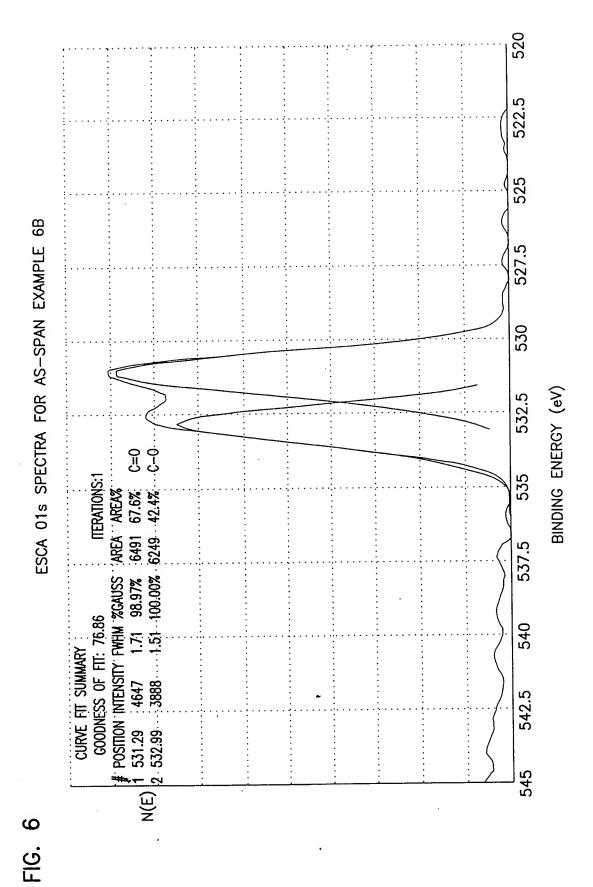
Phone No.: 612.332.5300

Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND

APPLICATIONS INCLUDING FILTER STRUCTURES

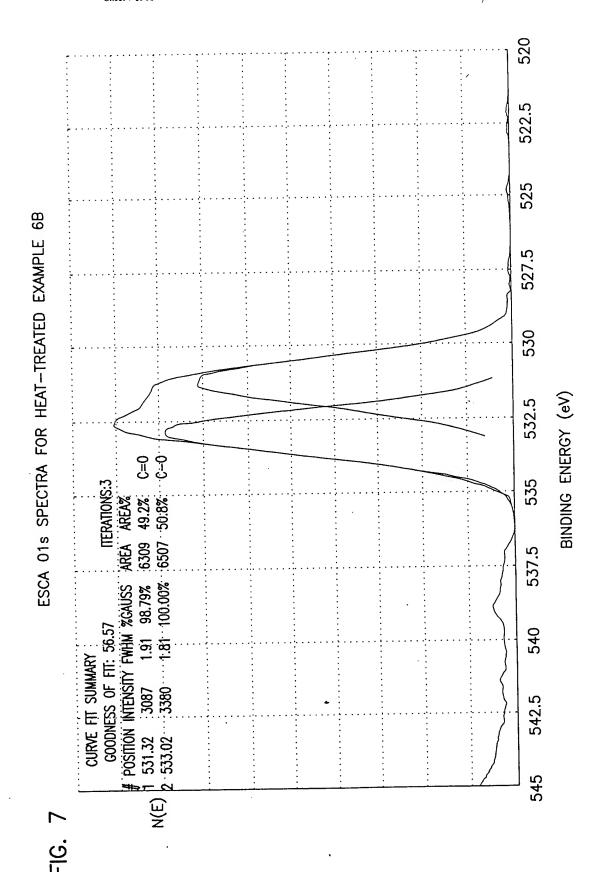
Attorney Name: MARK DIPIETRO Phone No.: 612.332.5300 Sheet 5 of 18





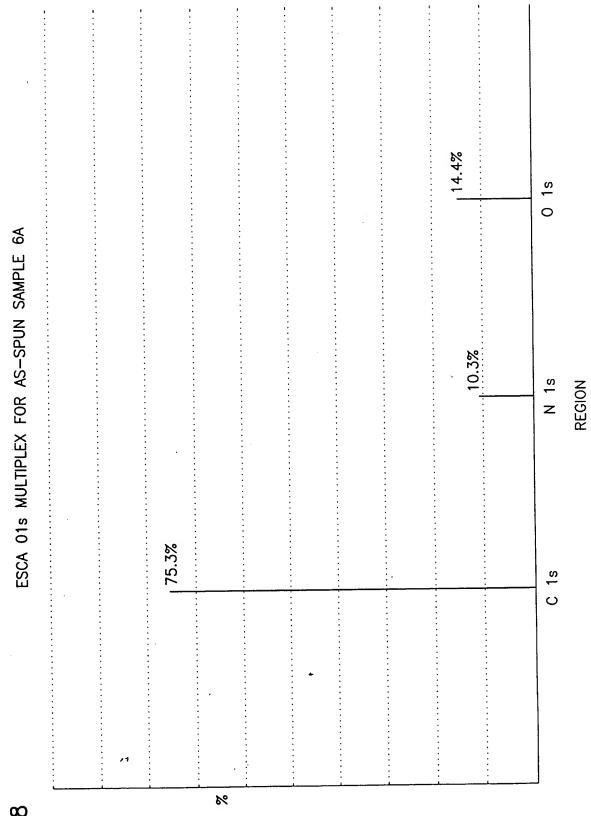
Inventor: CHUNG ET AL. Docket No.: 758.1149USD3 DOCKET NO.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 7 of 18





Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332 5300

Phone No.: 612.332.5300 Sheet 8 of 18



Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 9 of 18

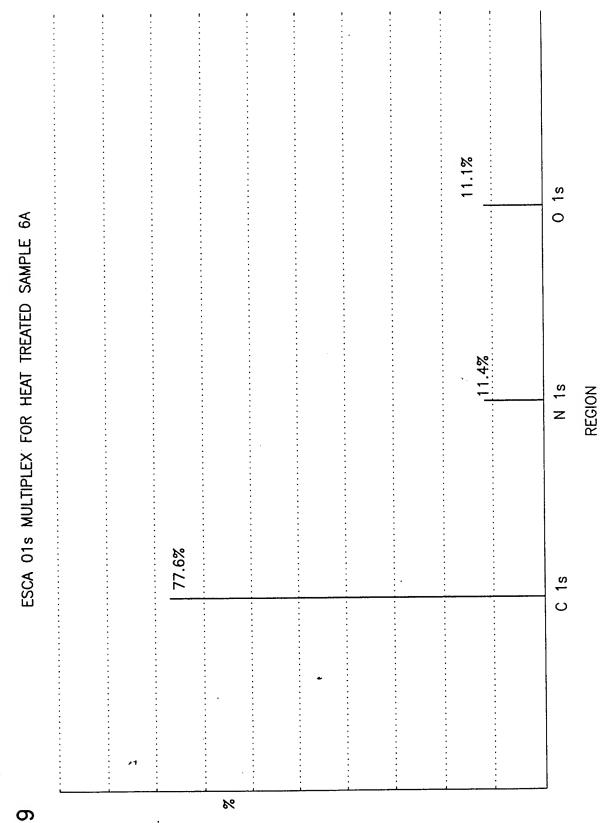
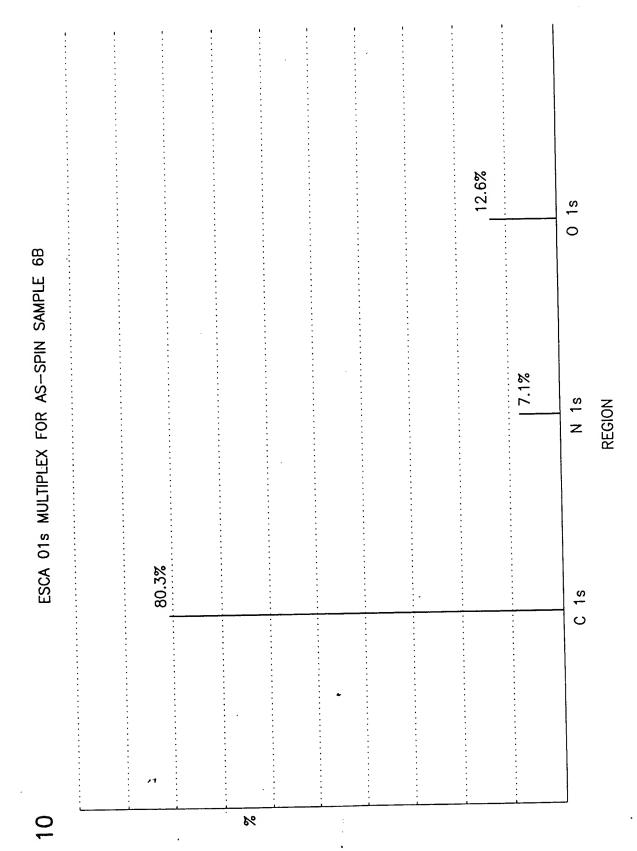


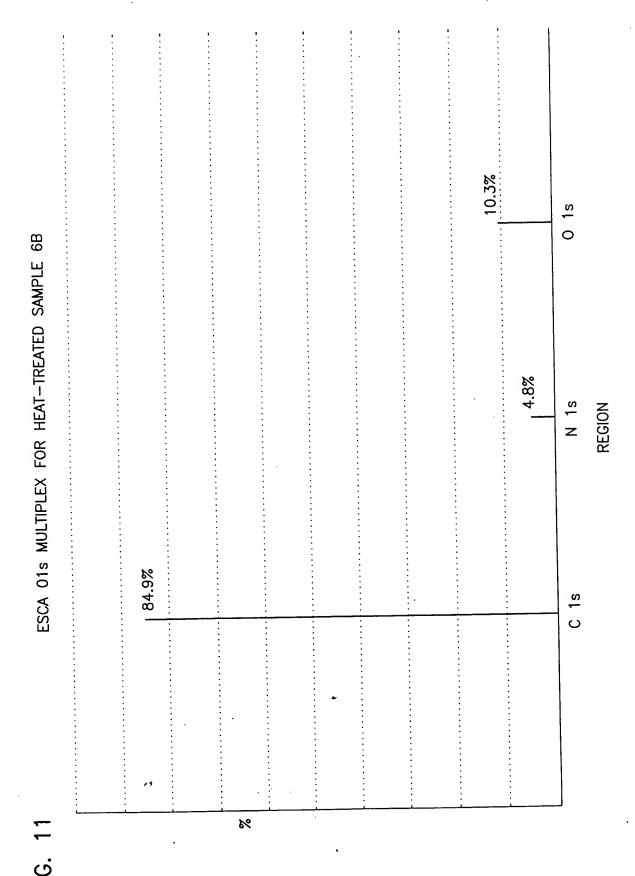
FIG. 9

Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 10 of 18



Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300

Sheet 11 of 18



Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 12 of 18

FIG. 12

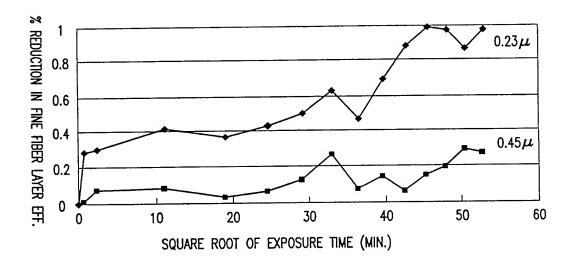
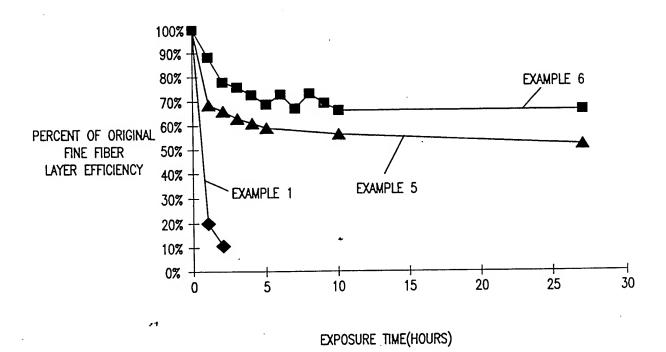
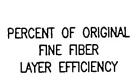


FIG. 13



Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 13 of 18

FIG. 14



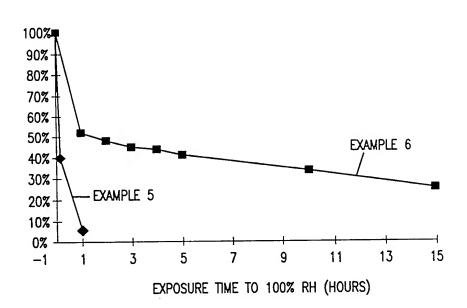
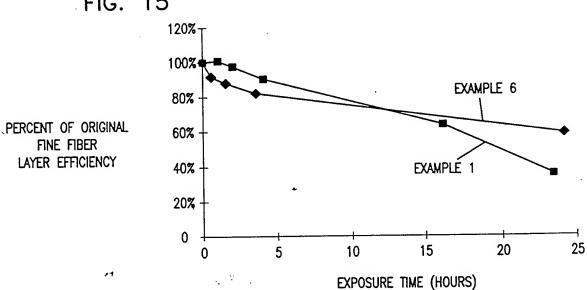
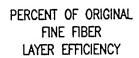


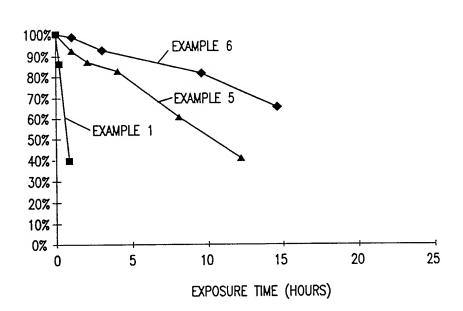
FIG. 15



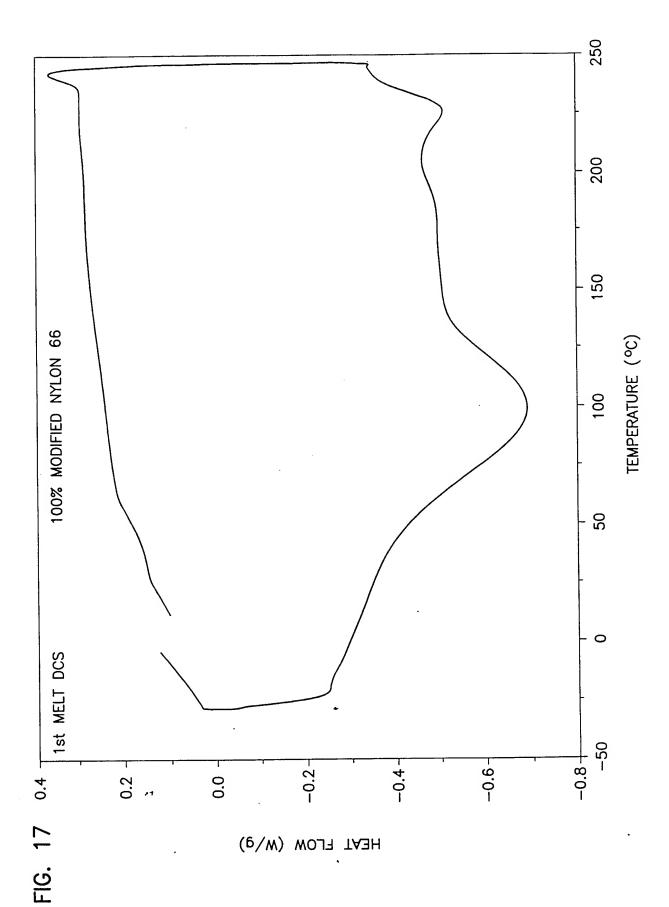
Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 14 of 18

FIG. 16

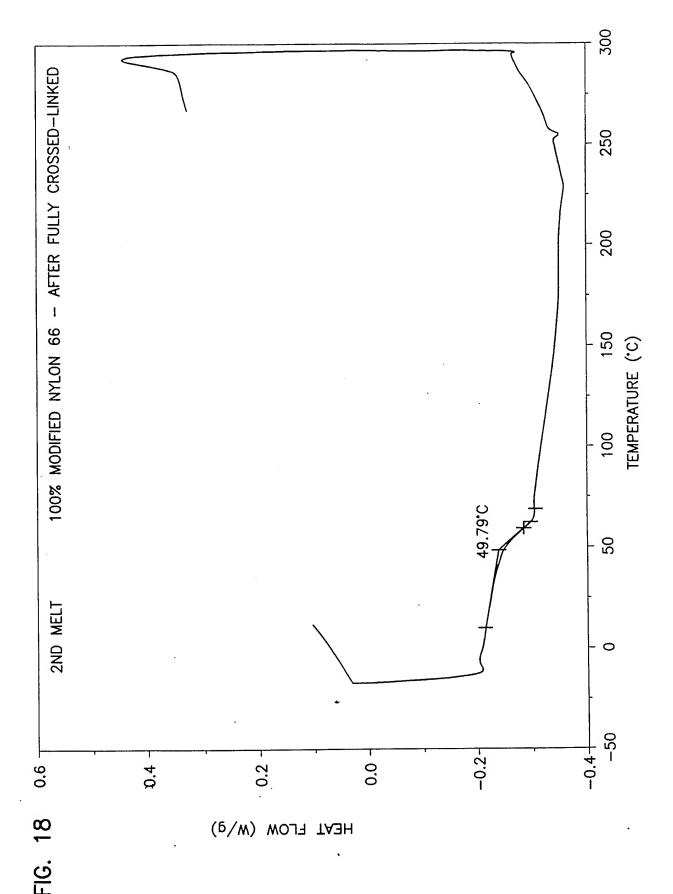


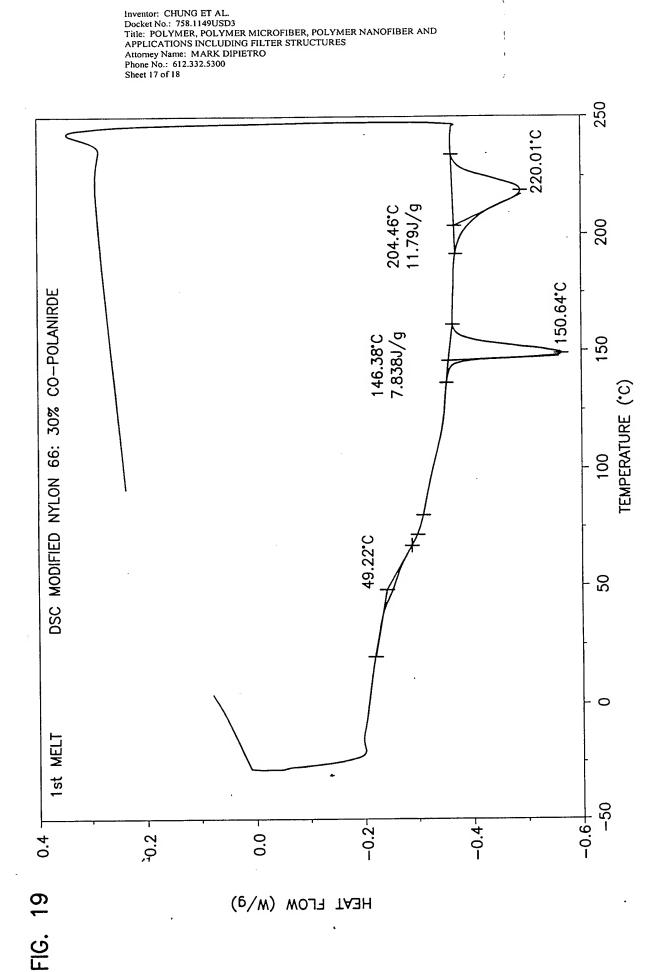


Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 15 of 18



Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 16 of 18





Inventor: CHUNG ET AL.
Docket No.: 758.1149USD3
Title: POLYMER, POLYMER MICROFIBER, POLYMER NANOFIBER AND
APPLICATIONS INCLUDING FILTER STRUCTURES
Attorney Name: MARK DIPIETRO
Phone No.: 612.332.5300
Sheet 18 of 18

